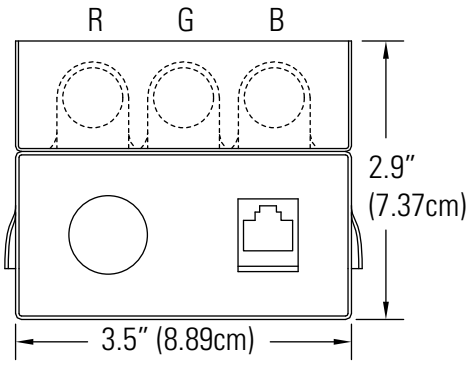
Instruction Sheet for Assembly and Installation of Color Changing Fluorescent

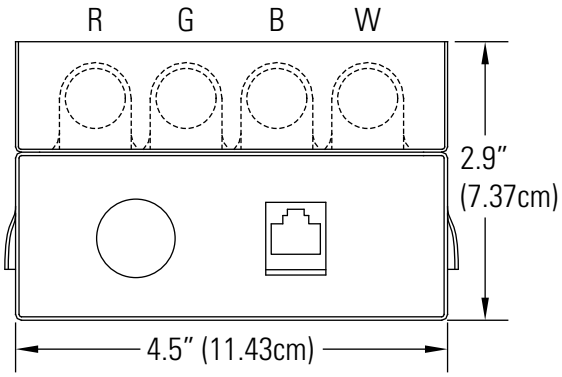
READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE PROCEEDING.
RETAIN THESE INSTRUCTIONS FOR MAINTENANCE REFERENCE.

This fixture is intended for installation in accordance with the National Electrical Code and local regulations. To assure full compliance with local codes and regulations, check with your local electrical inspector before installation. To prevent electrical shock, turn off electricity at electrical panel before proceeding.

DO NOT INSTALL THIS SYSTEM IN A WET OR DAMP LOCATION.
DO NOT ENERGIZE ANYTHING OTHER THAN THE FIXTURES IN THE SYSTEM.

CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY REINFORCING COVE TO SUPPORT FIXTURE WEIGHT.





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Step 1. Make Cutout Opening

A. For an open cove, make sure the cove provides minimum of 1" (2.54cm) of ventilation space on the wall side. (Fig. 1)

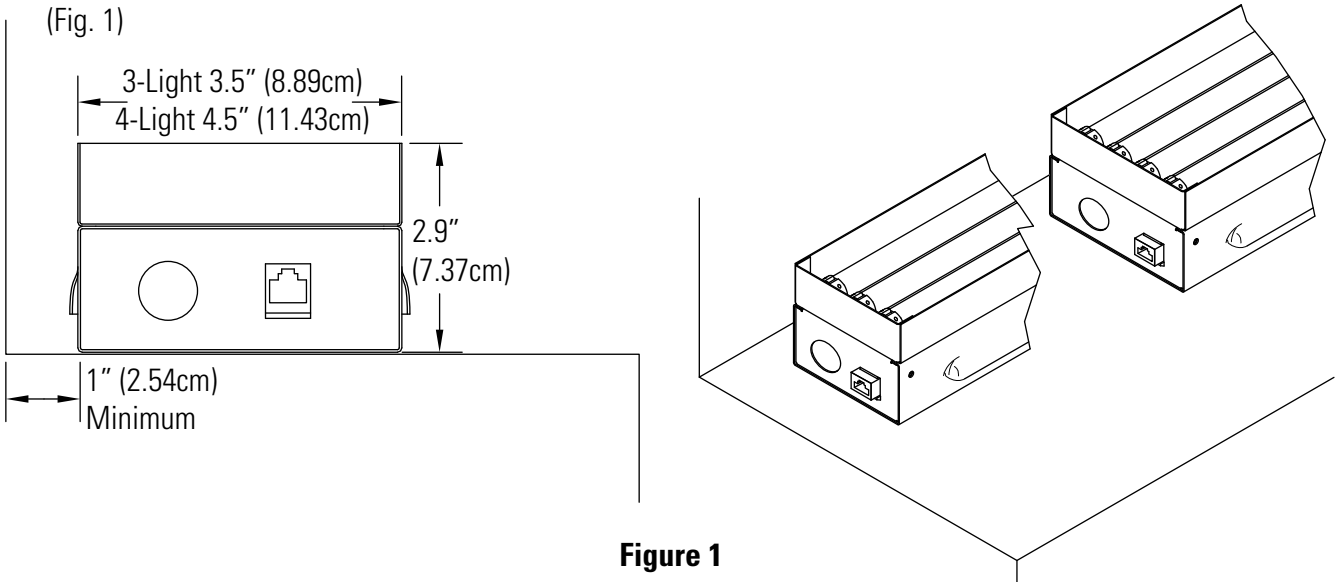

Figure 1

B. For an enclosed cove, make sure the cove provides minimum of 1" (2.54cm) of ventilation space on both sides of the fixture. (Fig. 2)

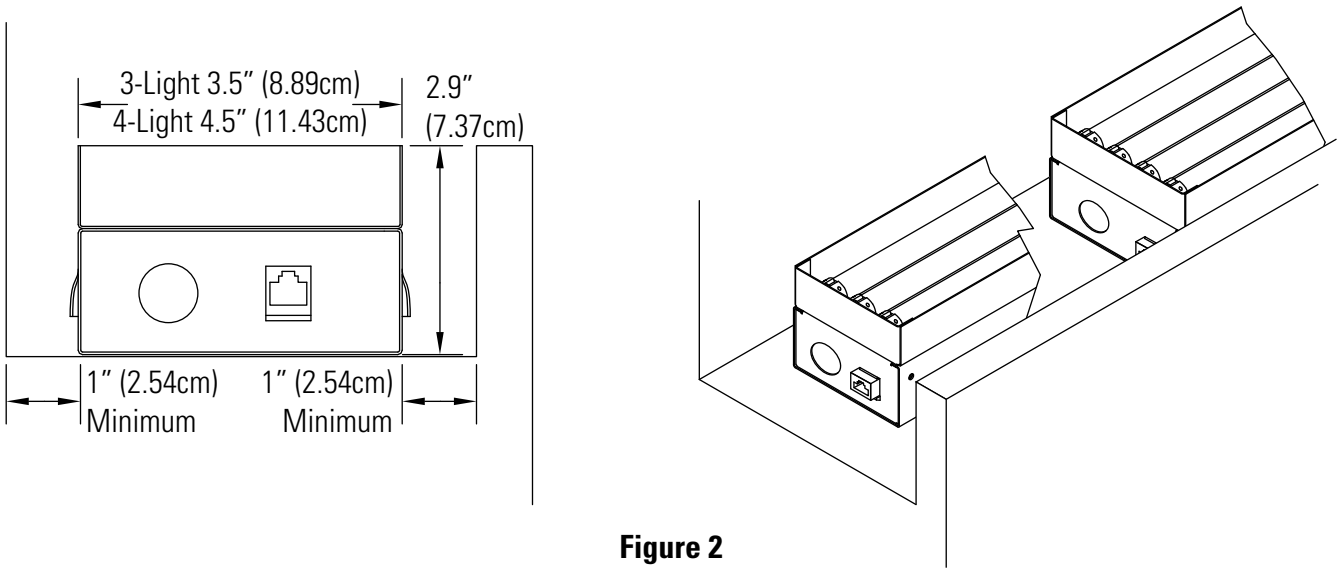

Figure 2

C. The fixture should be placed so it will be hidden from all angles of view at all times. (Fig. 3)

Figure 3

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Step 2. Installing the First Fixture (Fig. 4)

A. If LAMPS are installed in the fixture, make note of lamp position then remove LAMPS. Reading from CIRCULAR KNOCKOUT, factory provided LAMPS are installed in order of red, green, blue and optional white.
B. Remove LAMP TRAY by twisting the QUARTER TURN KEYS on both ends of the fixture.
C. Connect hot, neutral and ground wires through the CIRCULAR KNOCKOUT.
D. Connect any Cat 5e compatible DMX controller to CAT 5E COUPLER use CAT 5E CABLE (ORDER SEPARATELY).
E. If this is a single fixture install, skip Step 3 and go to Step 4.

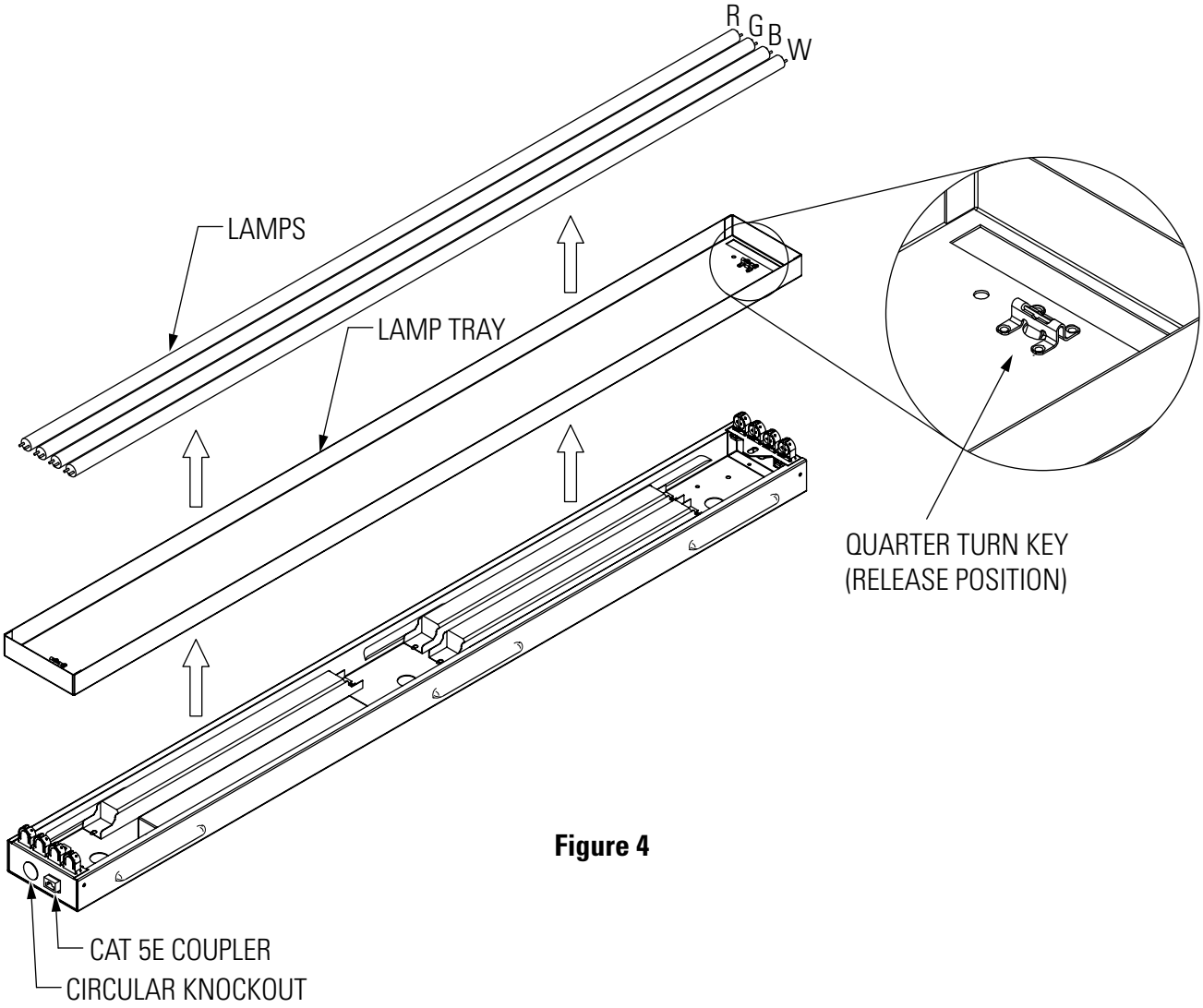

Figure 4

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Step 3. Installing the Remaining Fixtures (Fig. 5)

A. To link the fixtures together, use CIRCULAR KNOCKOUTS at ends to run the THROUGH WIRES.

B. Use CAT 5E CABLE (ORDER SEPARATELY) to connect the CAT 5E COUPLERS between the fixtures. To lay fixtures end-to-end, detach RECTANGULAR KNOCKOUT from the end of the fixture, and butt fixtures together, pushing excess cables into fixture. Do not use more than 1' (30.48cm) of cable when butting fixture to fixture.

C. Repeat Step. 3 A-B until the last fixture is connected.

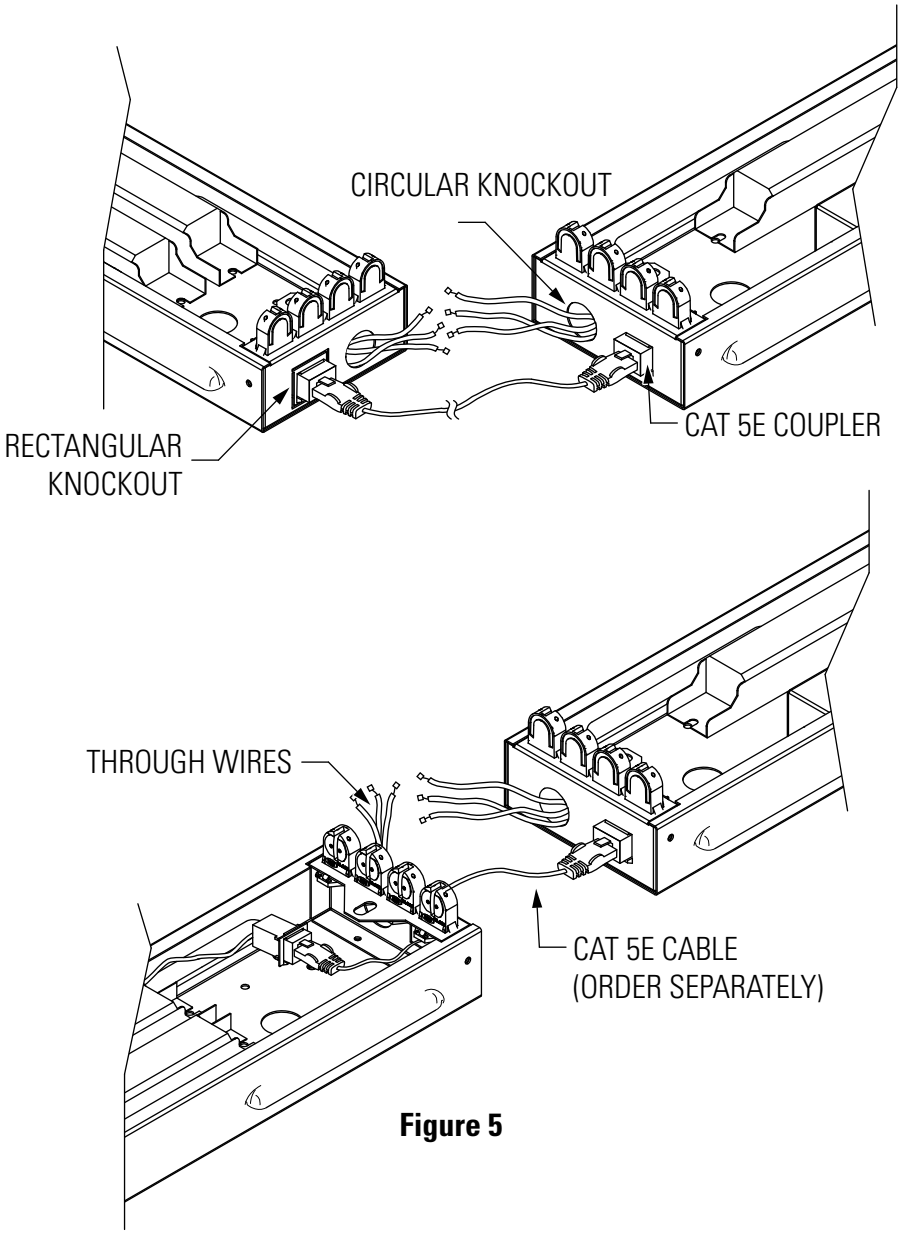

Figure 5

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Step 4. Secure Fixture (Fig. 6)

A. Mount fixture to the bottom of cove; fasteners by others.
B. Reinstall LAMP TRAY. Twist QUARTER TURN KEY to secure LAMP TRAY in place.
C. Reinstall LAMPS. Make sure lamps of same color are installed in their original positions.

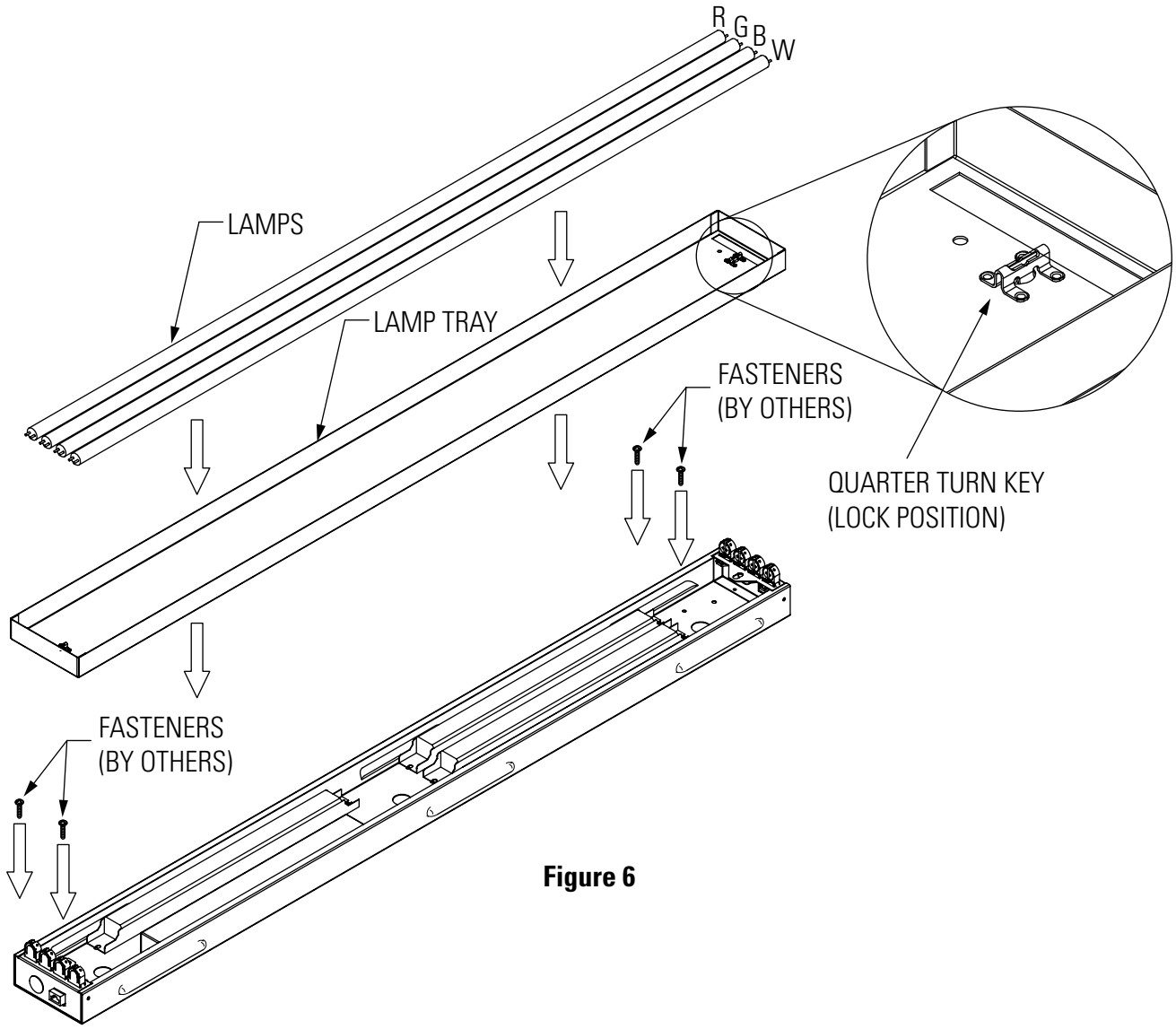

Figure 6

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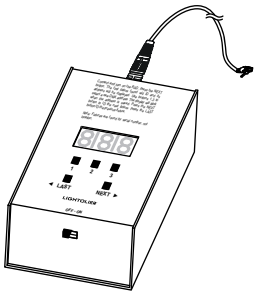
Step 5. Program Fixture Lighting

A. Program the fixture using Lightolier's RAD device: Cat.#: RGBDMXFLAD (Requires 9V battery by others).

B. Follow the instructions on the RAD device to set the address for fixtures.



RAD DEVICE

Application Examples of RAD Device

Starting Addresses for 3LT Fixtures

A. Each lamp is independently controlled "9 channels used"

1st fixture	2nd fixture	3rd fixture
001	**004**	**007**
002	005	008
003	006	009

B. Each lamp color is synchronized "3 channels used"

1st fixture	2nd fixture	3rd fixture
001	**001**	**001**
002	002	002
003	003	003

C. Every other fixture is synchronized "6 channels used"

1st fixture	2nd fixture	3rd fixture
001	**004**	**001**
002	005	002
003	006	003

D. Incorrect use "different lamp colors on the same channel"

1st fixture	2nd fixture	3rd fixture
001	**002**	**004**
002	003	005
003	004	006

Starting Addresses for 4LT Fixtures

A. Each lamp is independently controlled "9 channels used"

1st fixture	2nd fixture	3rd fixture
001	**005**	**009**
002	006	010
003	007	011
004	008	012

B. Each lamp color is synchronized "3 channels used"

1st fixture	2nd fixture	3rd fixture
001	**001**	**001**
002	002	002
003	003	003
004	004	004

C. Every other fixture is synchronized "6 channels used"

1st fixture	2nd fixture	3rd fixture
001	**005**	**001**
002	006	002
003	007	003
004	008	004

D. Incorrect use "different lamp colors on the same channel"

1st fixture	2nd fixture	3rd fixture
001	**003**	**007**
002	004	008
003	005	009
004	006	010

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Step 6. Controller Operation

A. Once programmed, any Cat 5e compatible DMX controller may be used on the fixture. (Factory recommends LYTEmode Master Station from Lightolier Controls)

B. Most DMX controllers will require cable splicing. Cut the RJ45 head off the cable and connect these three wires to the "DMX OUT" inputs on the controller. (Fig. 7)

WHITE/ORANGE OR PIN 1 = Data + or DMX+
ORANGE OR PIN 2 = Data - or DMX-
WHITE/BROWN OR PIN 7 = Shield or Common

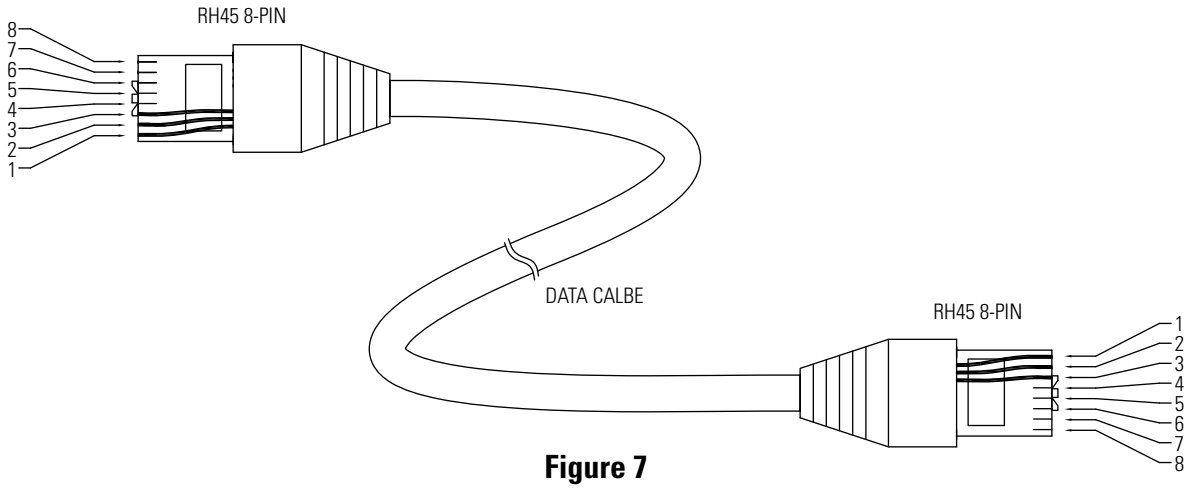

Figure 7

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